

ABSTRACT

To provide a liquid fuel supply type fuel cell in which water present in the oxidizer electrode is promptly removed and evaporated, thereby achieving high output, a fuel cell electrode, and methods for manufacturing the same. In a fuel cell 100, a base material 110 is provided with a hydrophobic layer 441 on the surface in contact with a catalyst layer 112 for discharging water promptly, and a hydrophilic layer 443 from the hydrophobic layer 441 towards the outside of the cell for evaporating water which has passed through the hydrophobic layer 441 from the surface.